

April 17 08:15 – 08:30 Opening Session

Welcome – J. Galambos

April 17 08:30 – 10:30 HEP Needs (Chair: J. Galambos)

HEPAP subpanel update – R. Tschirhart

High precision muon beams for spin precession measurements – B. Morse

Charged Lepton Flavor Violation Experiment– B. Bernstein

High energy stored muon beams as neutrino sources – M. Palmer

Coffee break

April 17 11:00-12:30 HEP Needs (Chair: J. Galambos)

In-flight neutral kaon beams for precision kaon decay studies – L. Littenberg

In-flight and stopped K⁺ beams for precision kaon decay studies – S. Kettell

pion decay-at-rest neutrino sources for sterile neutrino and coherent neutrino interactions studies – K. Scholberg

Lunch break

April 17 13:30 – 15:30 HEP Needs (Chair: S. Nagaitsev)

Kaon decay at rest neutrino sources for sterile neutrino studies -- Joshua Spitz

State of the art and future prospects for generating high energy neutrino beams – B. Zwaska

High energy neutrino source requirements for precision study of the standard 3x3 paradigm – Mary Bishai

Cold neutron requirements and technologies for next generation neutron-antineutron oscillation searches – Y. Kamyshev

Coffee break

April 17 15:45 - 17:15 HEP Needs (Chair: S. Nagaitsev)

Sources of cold, very cold and ultra-cold neutrons for neutron fundamental physics measurements – A. Young

High precision stored proton beams for spin precession measurements – Y. Semertzidis
Pion decay at rest neutrino sources for precision study of the standard 3x3 paradigm -- Georgia Karagiorgi

April 17 18:00 - 20:00 Wine and Cheese Reception – Bldg. 911A Lobby

April 18 0830 - 10:30 US Capabilities + upgrades (I) (Chair: M. Bai)

Existing capability of the BNL AGS complex– T. Roser
Capability of the BNL AGS complex upgrade – B. Weng
FNAL existing capability with ANU and PIP Upgrades – I. Kourbanis
FNAL upgrade capability with Project X – S. Holmes

Coffee break

April 18, 11:00 – 12:00 International Capabilities and Plans (Chair: M. Bai)

(30 mins per talk)

Prospects and future of high-power beams in the CERN accelerator complex – Y. Papaphilippou
J-Parc proton beam accelerator capabilities and high intensity physics plans- Tadashi Koseki

Lunch break

April 18, 13:00 – 16:00 International Capabilities and Plans (Chair: J. Galambos)

(25 mins per talk)

Cyclotrons for Decay-At-Rest Neutrino Production(30 mins via skype) – Jose Alonso
PSI capabilities (protons, muons, neutrons) and strengths/limitations of the cyclotron concept – M. Seidel
ISIS operational experience and upgrade plans relevant to high intensity frontier applications – D. Findlay
Status and plan of accelerator facilities for precision and intensity driven measurements in China – J. Tang
ESS Design Capability and Status – S. Peggs
TRIUMF – R. Baartman

Coffee break

April 18, 16:30 – 17:45 US Facility (Chair: J. Galambos)

LANSCE capabilities and upgrade plans relevant to high intensity frontier applications – B. Garnett

SNS high power experience, upgrade plans and possibilities for high intensity frontier applications – M. Plum

Polarized Drell-Yan scattering measurement at the FNAL Main Injector(15 mins, via skype) – Alan Krisch

April 19 08:30 – 10:00 System Experts (Chair: S. Nagaitsev)

Machine protection considerations for high power / intensity proton accelerators—R. Schmidt

High power target challenges and FNAL plans for the PX era – P. Hurh

High power target design and operation considerations for spallation targets – T. Gabriel

Coffee break

April 19 10:30 – 12:00 System Experts (Chair: S. Nagaitsev)

High power target design considerations for neutrino production – N. Simos

High power target design and operation considerations for muon production – M. Seidel

High power target design and operation considerations for kaon production – P. Pile

High power target concept for neutrino factory and muon collider – K. McDonald

Lunch Break

April 19 13:30—18:00

Working Session

13:30 – 15:30 HEP Needs discussion – R. Tschirhart + J. Galambos

coffee break

16:00 – 18:00 US facility capability discussion – M. Bai

April 20 08:30 -12:00

Working Session

08:30 – 10:00 International facility capability discussion – S. Nagaitsev

10:00 – 12:00 High power targetry and other facility system R&D discussions – J. Galambos